(BSP June 26, 2000)

Resin Filler

Resin filler shall be a two component, resin and catalyst, liquid thermoset material.

The properties of the resin and catalyst shall be:

1. The components shall be supplied in separate containers.

2. The viscosity of the resin-catalyst mixture shall be 35,000 ± 5,000 cP at 24C immediately after mixing.

3. The flash point shall be 38C minimum.

4. After mixing, the resin-catalyst mixture shall be pourable for a minimum of eight minutes at 15C and shall harden in fifteen minutes maximum. Heating of the mixture after placing to a maximum temperature of 120C is permissible to obtain a full cure.

The properties of the cured resin shall be:

1. The fully cured compressive strength shall be 82,700 kPa minimum.

2. The maximum allowable shrinkage shall be 2 percent. To control shrinkage, an inert filler may be used in the resin provided that the viscosity requirements are met.

3. The hardness shall be between 40 and 55 in accordance with ASTM D 2583.

A resin material known to meet the specified requirements herein is used in the wire rope industry for resin socketing.

The Contractor shall submit a Manufacturer's Certificate of Compliance in accordance with Section 1-06.3 to the Engineer for approval prior to using the resin filler.